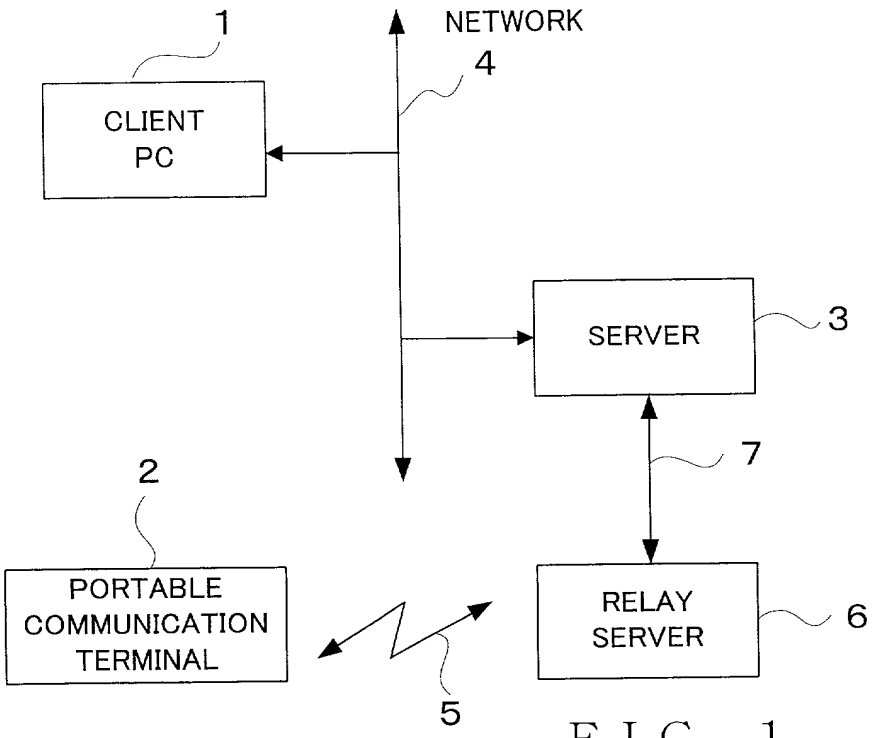
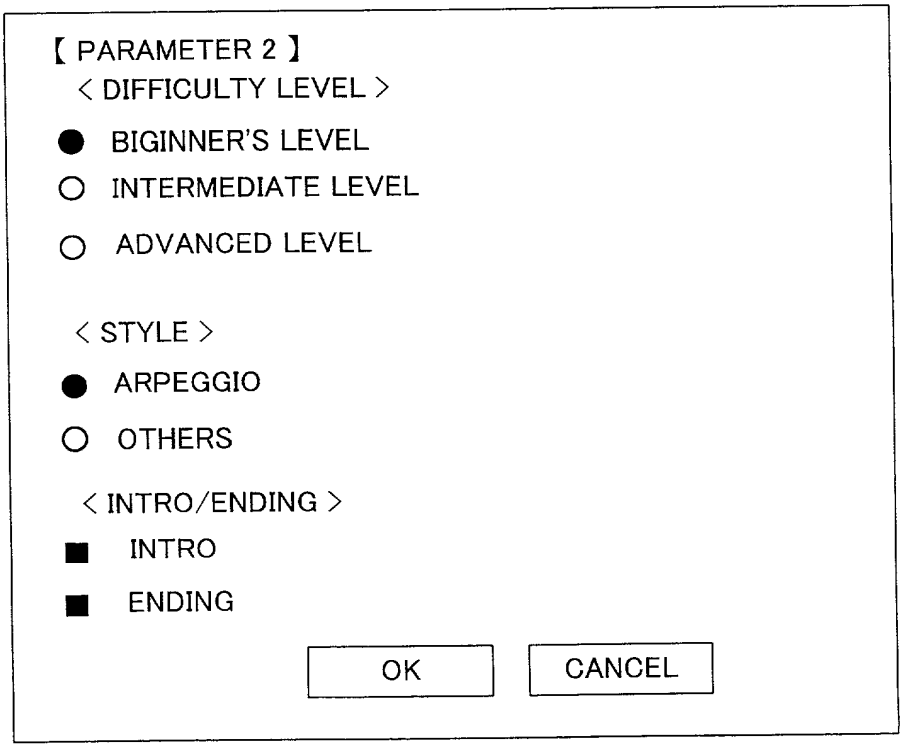


FIG. 1



PARAMETER 2 INPUT SCREEN

FIG. 6

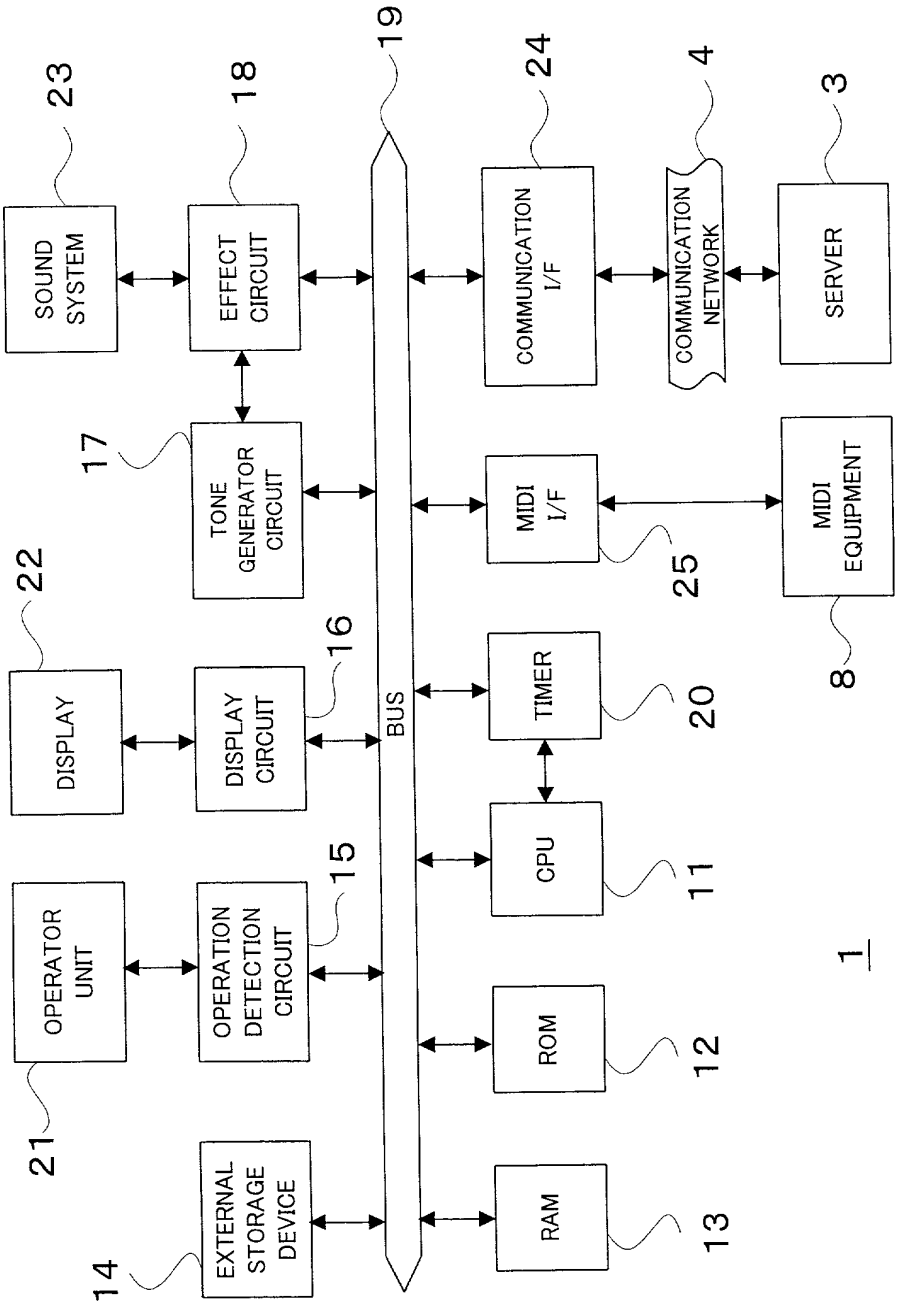

SOUND SYSTEM
23
EFFECT CIRCUIT
18
19
COMMUNICATION I/F
24
COMMUNICATION NETWORK
4
SERVER
3
TONE GENERATOR CIRCUIT
17
MIDI I/F
25
MIDI EQUIPMENT
8
DISPLAY
22
DISPLAY CIRCUIT
16
BUS
TIMER
20
OPERATOR UNIT
21
OPERATION DETECTION CIRCUIT
15
CPU
11
ROM
12
EXTERNAL STORAGE DEVICE
14
RAM
13
1

FIG. 2

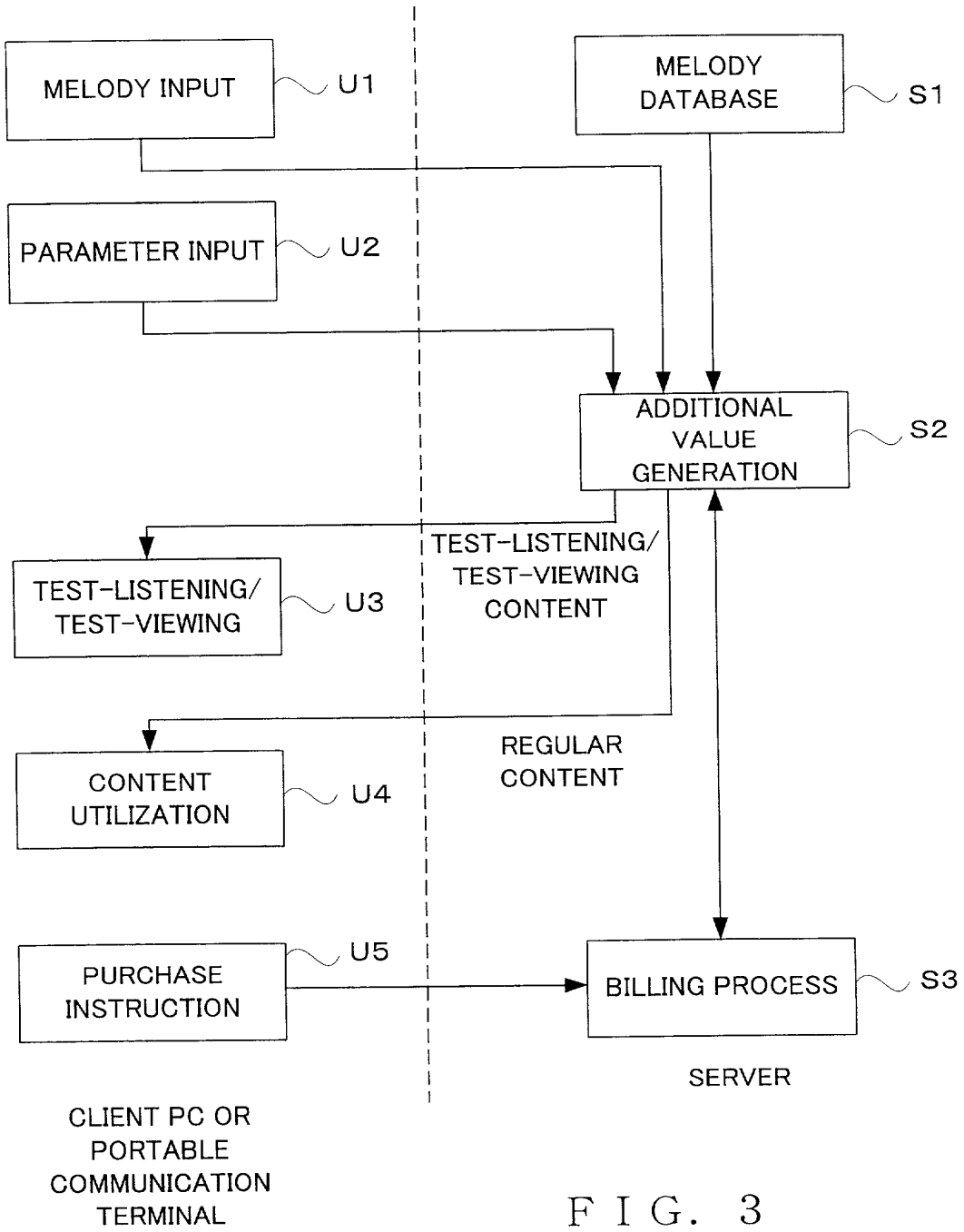
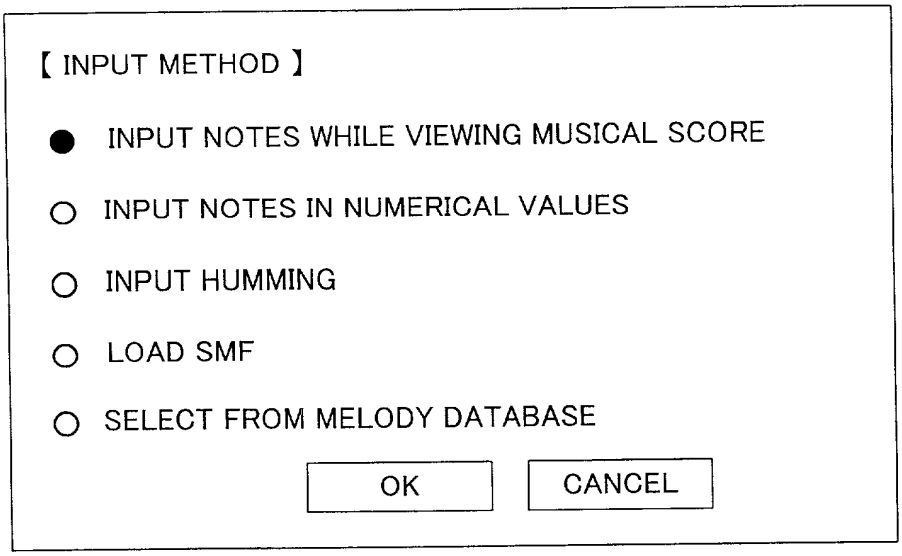
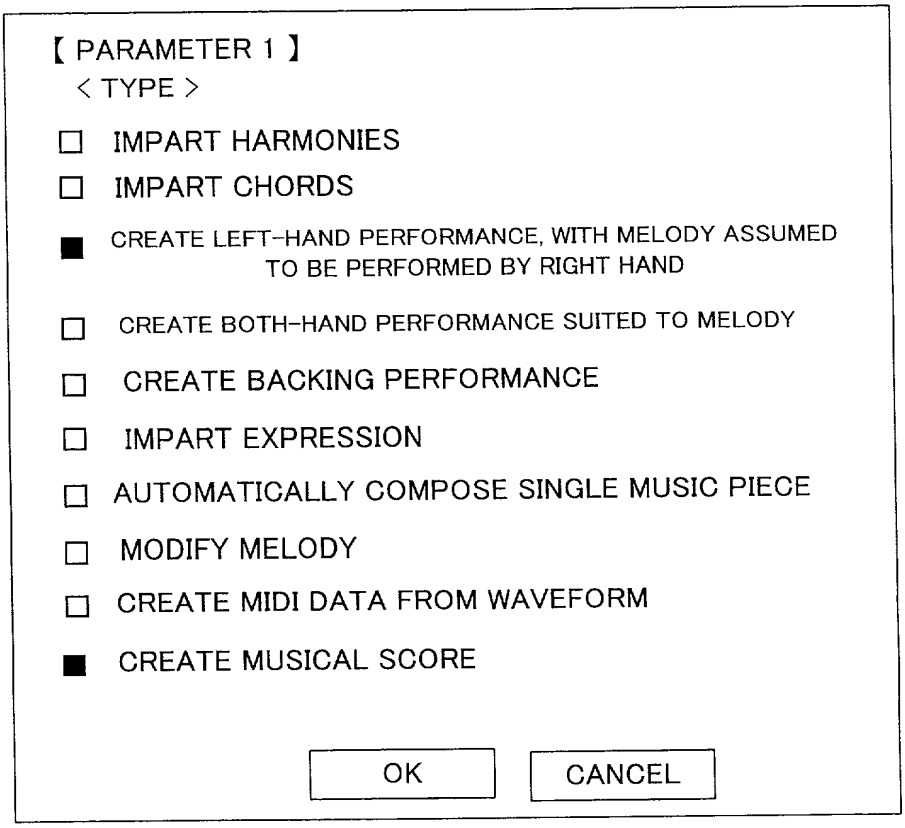

MELODY INPUT
U1
MELODY DATABASE
S1
PARAMETER INPUT
U2
ADDITIONAL VALUE GENERATION
S2
TEST-LISTENING/ TEST-VIEWING
U3
TEST-LISTENING/ TEST-VIEWING CONTENT
REGULAR CONTENT
CONTENT UTILIZATION
U4
PURCHASE INSTRUCTION
U5
BILLING PROCESS
S3
SERVER
CLIENT PC OR PORTABLE COMMUNICATION TERMINAL

FIG. 3



MELODY INPUT SCREEN

F I G. 4



PARAMETER 1 INPUT SCREEN

F I G. 5

0854903.052501

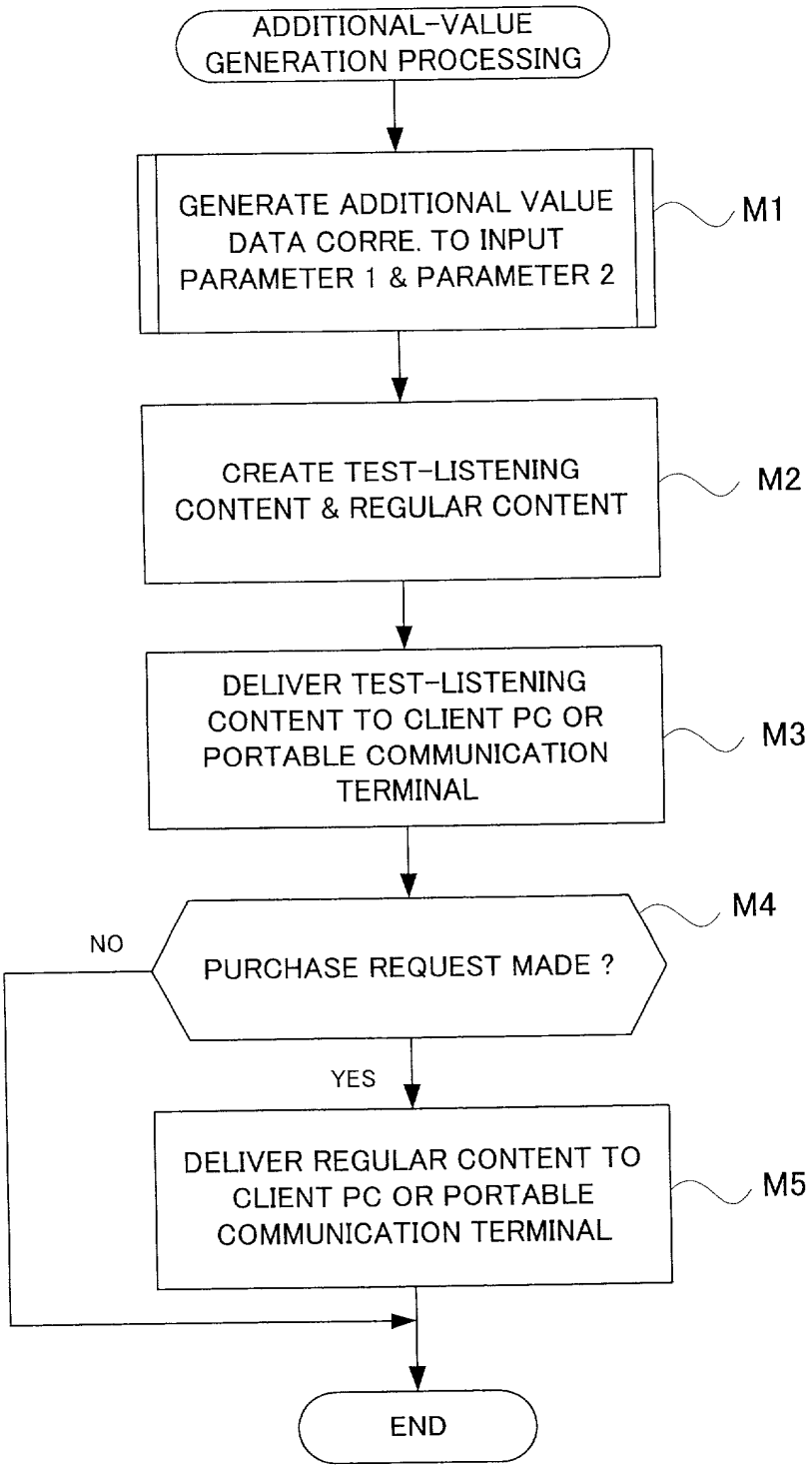


FIG. 7

EP 0 855 694 A2

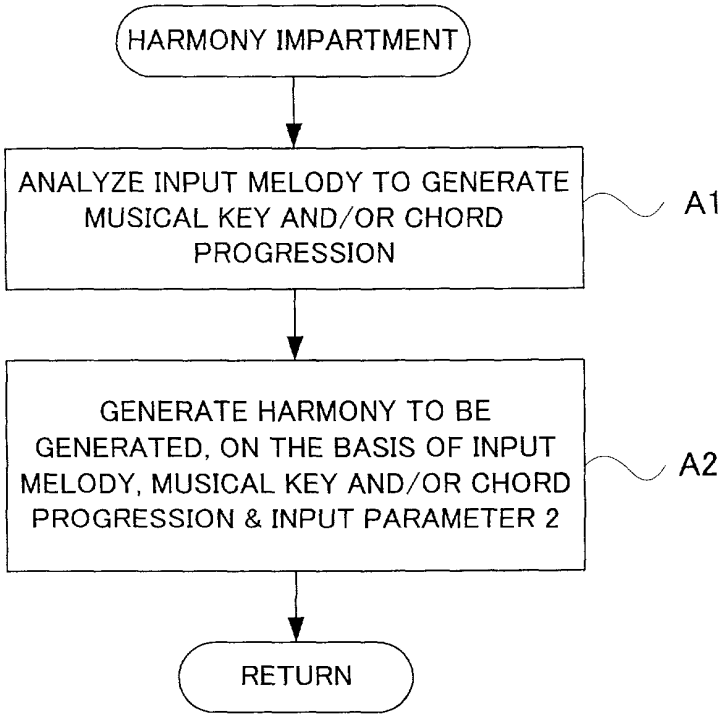


FIG. 8

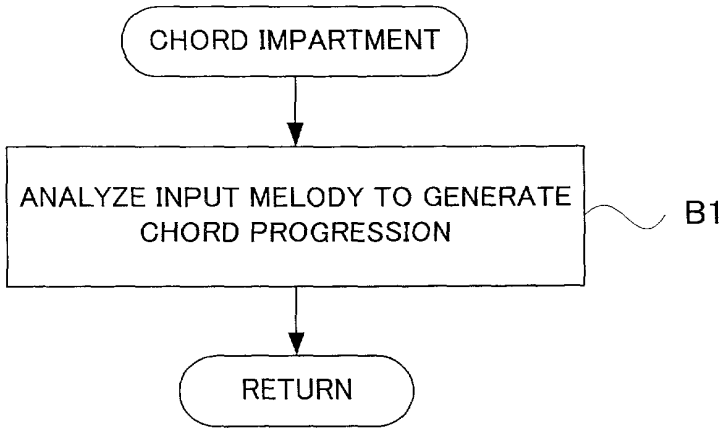


FIG. 9

EP 3 588 485 A1

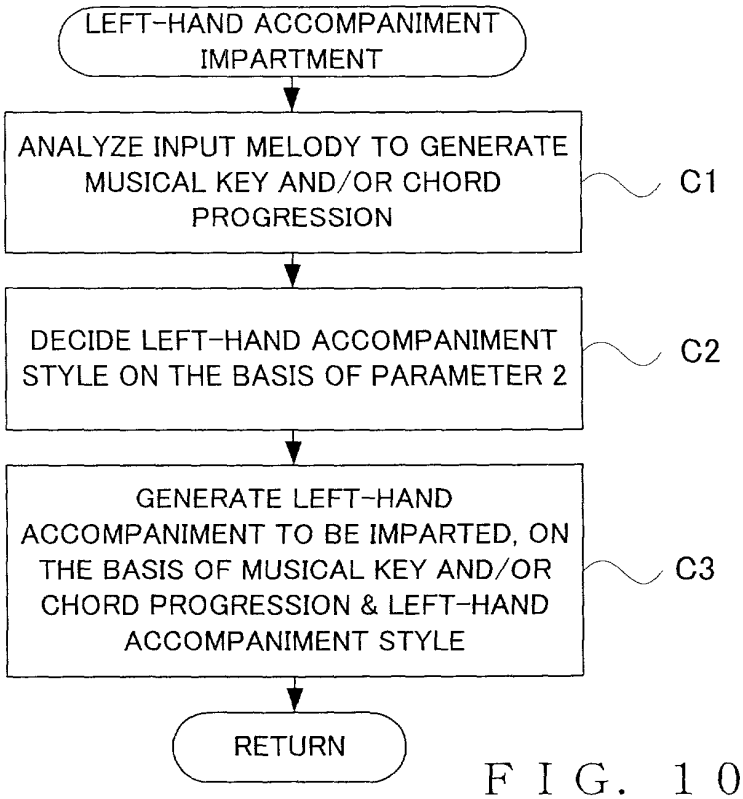

LEFT-HAND ACCOMPANIMENT IMPARTMENT
ANALYZE INPUT MELODY TO GENERATE MUSICAL KEY AND/OR CHORD PROGRESSION
C1
DECIDE LEFT-HAND ACCOMPANIMENT STYLE ON THE BASIS OF PARAMETER 2
C2
GENERATE LEFT-HAND ACCOMPANIMENT TO BE IMPARTED, ON THE BASIS OF MUSICAL KEY AND/OR CHORD PROGRESSION & LEFT-HAND ACCOMPANIMENT STYLE
C3
RETURN

FIG. 10

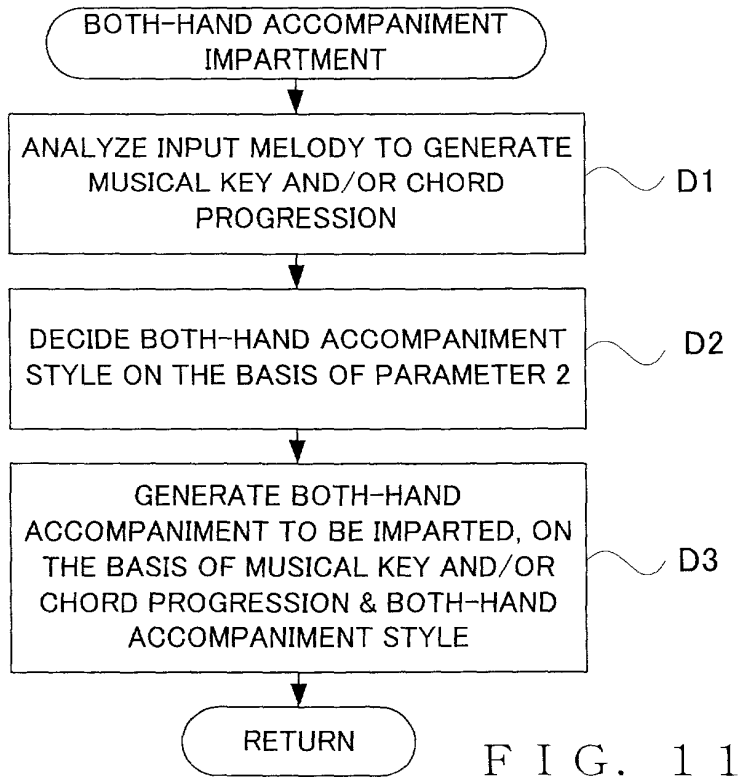

BOTH-HAND ACCOMPANIMENT IMPARTMENT
ANALYZE INPUT MELODY TO GENERATE MUSICAL KEY AND/OR CHORD PROGRESSION
D1
DECIDE BOTH-HAND ACCOMPANIMENT STYLE ON THE BASIS OF PARAMETER 2
D2
GENERATE BOTH-HAND ACCOMPANIMENT TO BE IMPARTED, ON THE BASIS OF MUSICAL KEY AND/OR CHORD PROGRESSION & BOTH-HAND ACCOMPANIMENT STYLE
D3
RETURN

FIG. 11

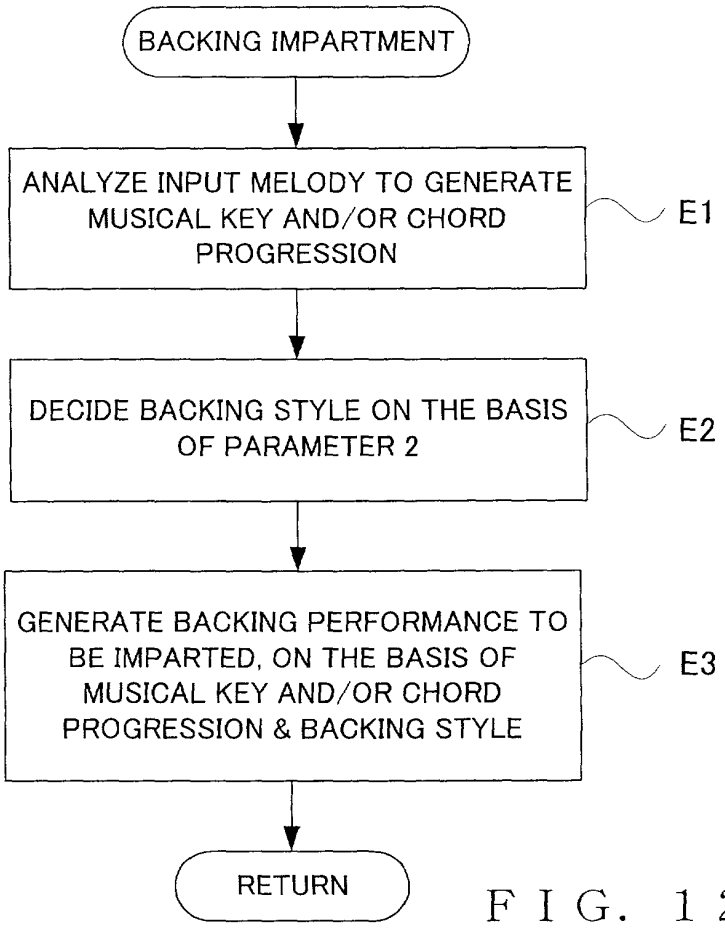

BACKING IMPARTMENT
ANALYZE INPUT MELODY TO GENERATE MUSICAL KEY AND/OR CHORD PROGRESSION
E1
DECIDE BACKING STYLE ON THE BASIS OF PARAMETER 2
E2
GENERATE BACKING PERFORMANCE TO BE IMPARTED, ON THE BASIS OF MUSICAL KEY AND/OR CHORD PROGRESSION & BACKING STYLE
E3
RETURN

FIG. 12

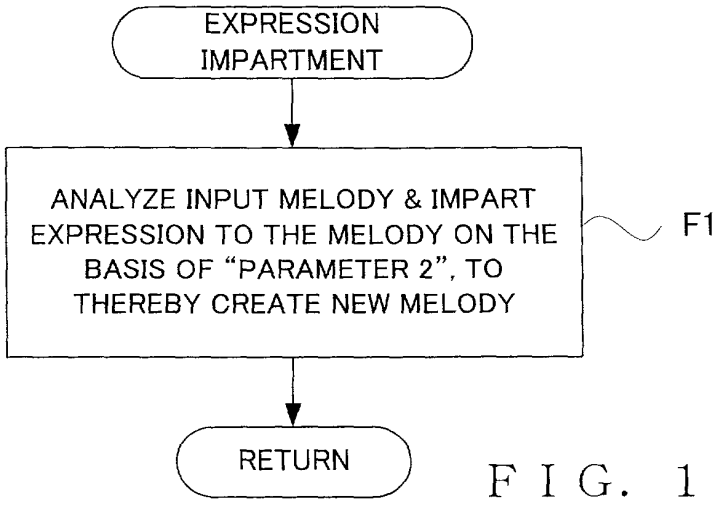

EXPRESSION IMPARTMENT
ANALYZE INPUT MELODY & IMPART EXPRESSION TO THE MELODY ON THE BASIS OF "PARAMETER 2", TO THEREBY CREATE NEW MELODY
F1
RETURN

FIG. 13

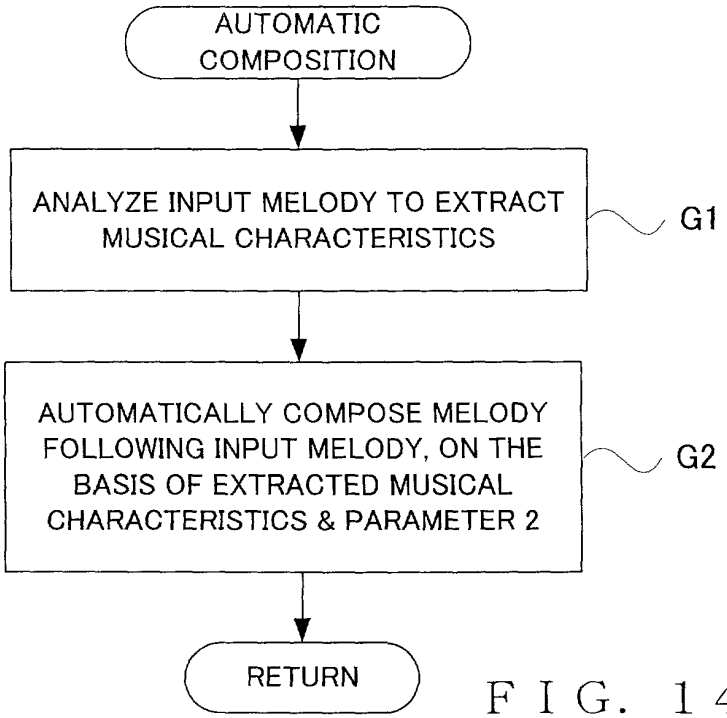

AUTOMATIC COMPOSITION
ANALYZE INPUT MELODY TO EXTRACT MUSICAL CHARACTERISTICS
G1
AUTOMATICALLY COMPOSE MELODY FOLLOWING INPUT MELODY, ON THE BASIS OF EXTRACTED MUSICAL CHARACTERISTICS & PARAMETER 2
G2
RETURN

FIG. 14

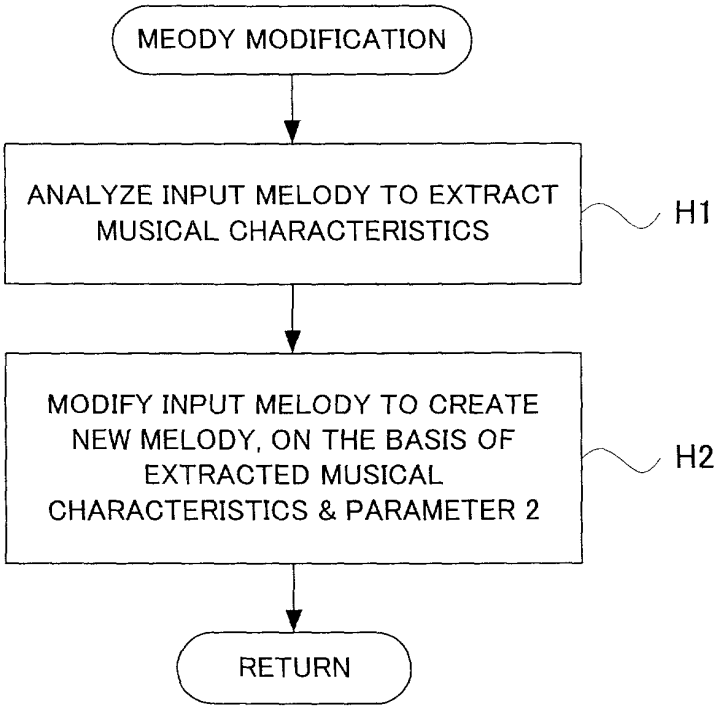

MEODY MODIFICATION
ANALYZE INPUT MELODY TO EXTRACT MUSICAL CHARACTERISTICS
H1
MODIFY INPUT MELODY TO CREATE NEW MELODY, ON THE BASIS OF EXTRACTED MUSICAL CHARACTERISTICS & PARAMETER 2
H2
RETURN

FIG. 15

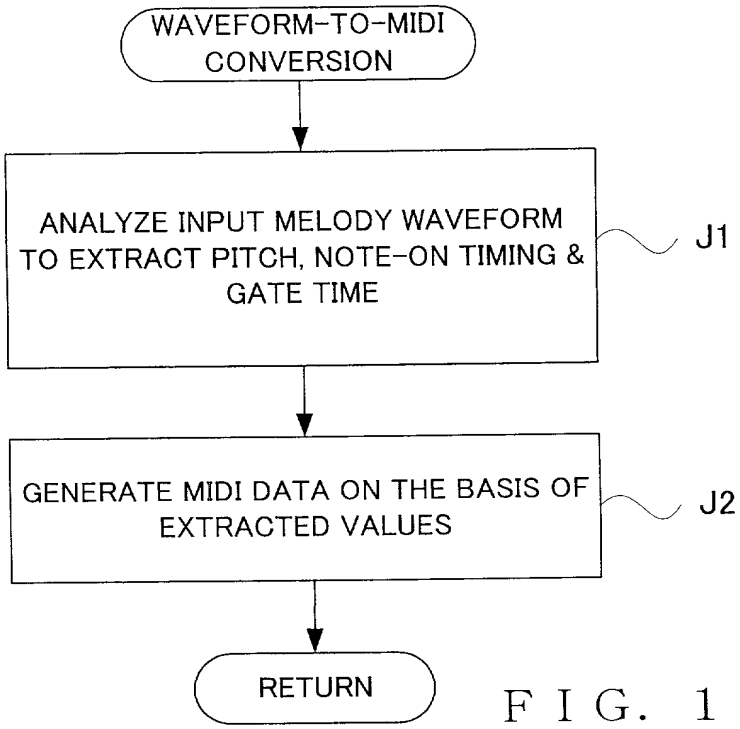


FIG. 16

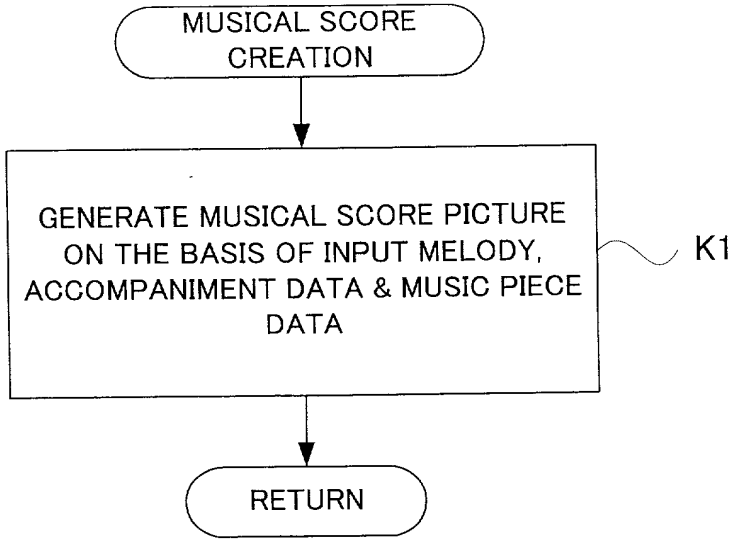


FIG. 17

US005585585A

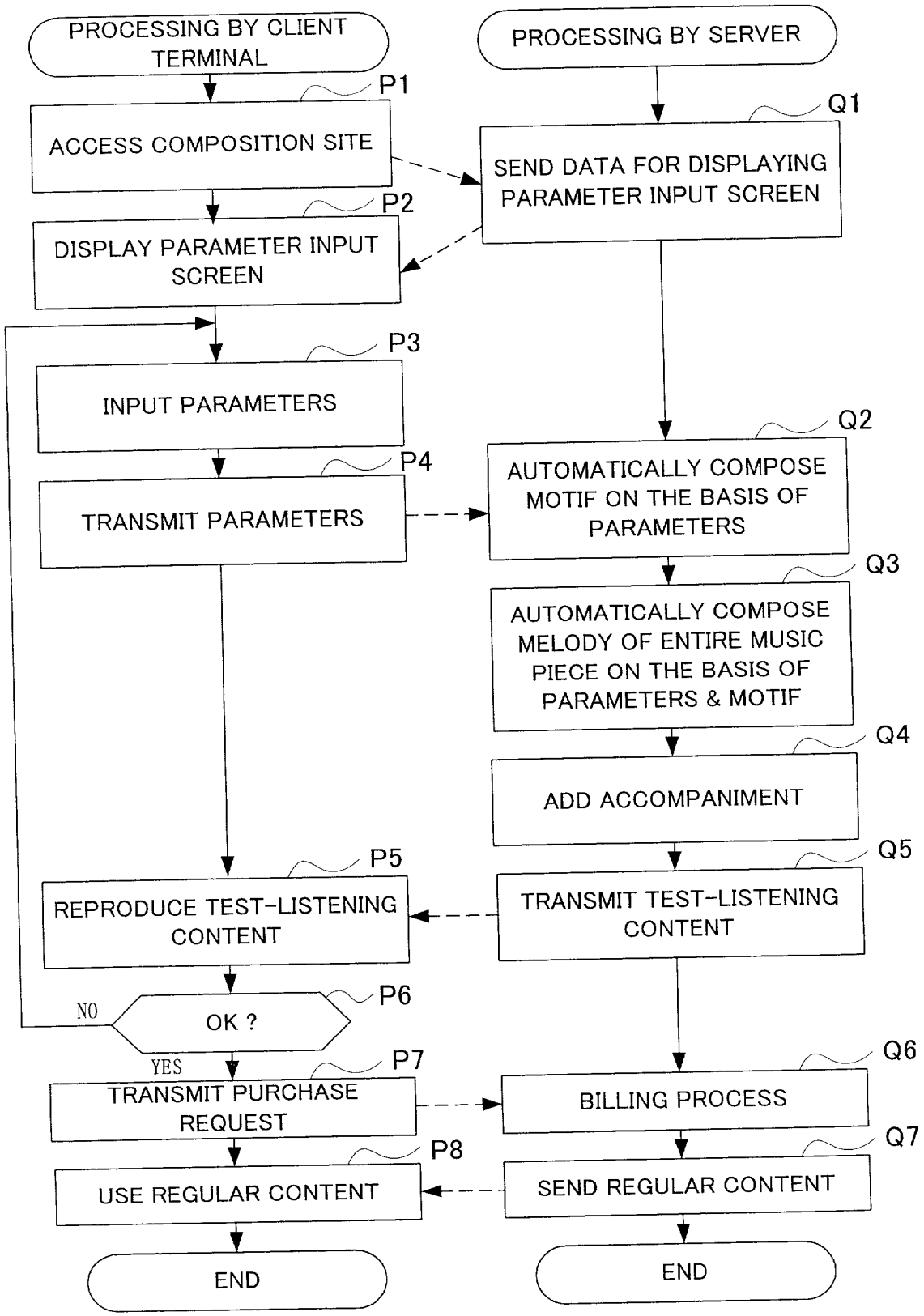

PROCESSING BY CLIENT TERMINAL
PROCESSING BY SERVER
P1
ACCESS COMPOSITION SITE
Q1
SEND DATA FOR DISPLAYING PARAMETER INPUT SCREEN
P2
DISPLAY PARAMETER INPUT SCREEN
P3
INPUT PARAMETERS
Q2
AUTOMATICALLY COMPOSE MOTIF ON THE BASIS OF PARAMETERS
P4
TRANSMIT PARAMETERS
Q3
AUTOMATICALLY COMPOSE MELODY OF ENTIRE MUSIC PIECE ON THE BASIS OF PARAMETERS & MOTIF
Q4
ADD ACCOMPANIMENT
P5
REPRODUCE TEST-LISTENING CONTENT
Q5
TRANSMIT TEST-LISTENING CONTENT
NO
P6
OK ?
YES
P7
TRANSMIT PURCHASE REQUEST
Q6
BILLING PROCESS
P8
USE REGULAR CONTENT
Q7
SEND REGULAR CONTENT
END
END

FIG. 18

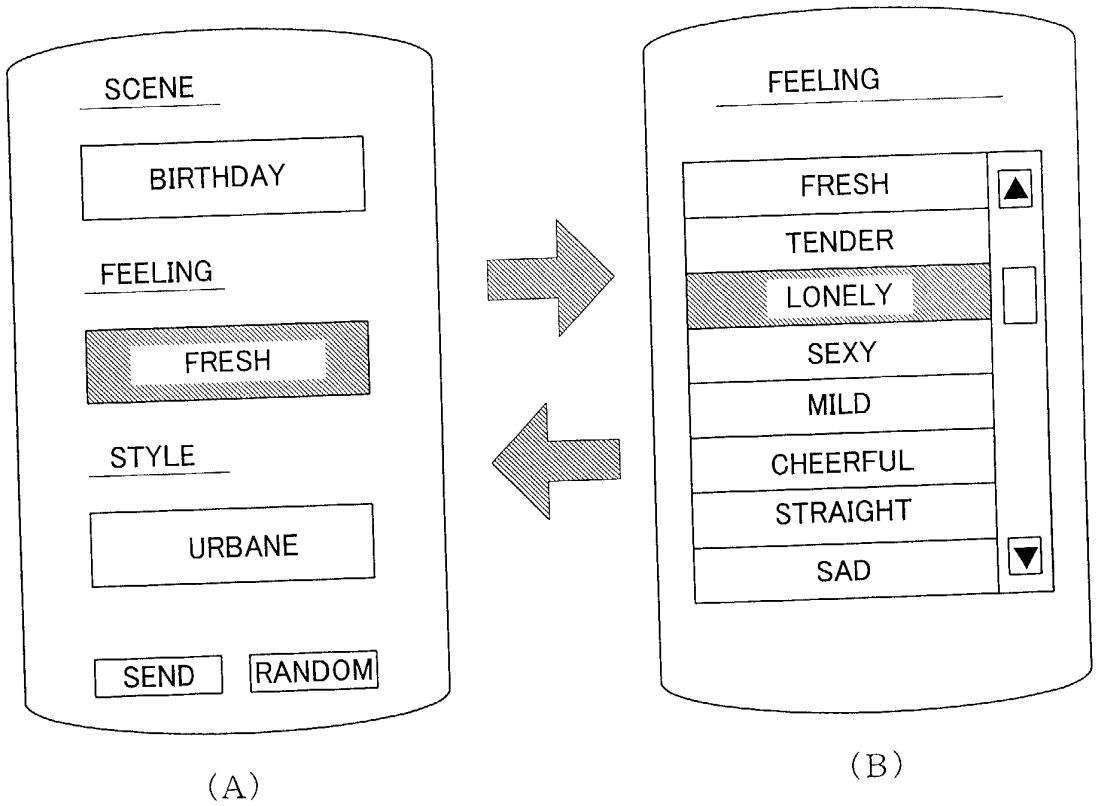

SCENE
BIRTHDAY
FEELING
FRESH
STYLE
URBANE
SEND
RANDOM
(A)
FEELING
FRESH
TENDER
LONELY
SEXY
MILD
CHEERFUL
STRAIGHT
SAD
(B)

FIG. 19